Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/31/2018 10:32 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126262	1	2.09	126342	2.12
Blue	F	SSC	125000	124925	-1	2.23	125674	2.21
Blue	E	FITC	15760	15262	-4	3.04	330	22.52
Blue	D	PE	25880	25230	-3	2.10	547	16.64
Blue	B	PerCP-Cy5-5	34075	34239	0	4.32	1041	22.26
Blue	A	PE-Cy7	22776	23307	2	7.39	562	45.25
Red	C	APC	42488	41474	-3	2.79	1566	13.50
Red	A	APC-Cy7	24478	24180	-2	2.99	829	13.06
Violet	B	V450	6304	6118	-3	4.46	343	17.44
Violet	A	V500	26005	24555	-6	3.97	577	13.33

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20905	10.48	609	12	N/A	N/A	Pass
Blue	F	SSC	56701	1.63	578	23	N/A	N/A	Pass
Blue	E	FITC	58	74.13	562	6	0.0156	192	Pass
Blue	D	PE	114	57.86	556	7	0.1349	319	Pass
Blue	B	PerCP-Cy5-5	199	55.99	658	11	0.0079	141	Pass
Blue	A	PE-Cy7	113	107.99	712	15	0.0090	19	Pass
Red	C	APC	369	28.33	604	4	0.0193	122	Pass
Red	A	APC-Cy7	203	29.14	576	5	0.0047	1201	Pass
Violet	B	V450	54	81.30	503	14	0.0292	2500	Pass
Violet	A	V500	86	45.39	518	12	0.0126	957	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.64	-31.35	0.88
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.40
Red	17.42	13.60 - 20.40	N/A	N/A	31.49	31.87	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 11263

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments